

```

graph TD
    Start([Start]) --> S1{S1  
Voltage of power  
supply  $V \geq V1$ ?}
    S1 -- No --> Exit1(( ))
    S1 -- Yes --> S2{S2  
Temp. of power  
supply  $T \geq T1$ ?}
    S2 -- No --> Exit2(( ))
    S2 -- Yes --> S3[Start forced discharge]
    S3 --> S4{S4  
Voltage of power  
supply  $V \leq V2$ ?}
    S4 -- No --> S4
    S4 -- Yes --> S5[Terminate forced discharge]
    Exit1 --- ExitLine1(( ))
    Exit2 --- ExitLine1
    ExitLine1 --> End([End])

```

FIG. 4

19

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